# AUTHOR AND SUBJECT INDEX—ASM NEWS

**Volume 46, 1980**


ABMLI, new diplomates, 621
ABMLI spring examination, 80
ABMM recertification, sponsors, 416
Abstracts, 394
Academy briefs, 312
ACCP Distinguished Fellow Award, 543
Advances in Food and Applied Microbiology course, 143
Advisory service for foreign students, 29
Agriculture appropriations, 8
Alexander, Martin, 35, 122, 214
American Academy of Microbiology
  Bylaws amendment, 34
  Fellows, 580
  Fellowship, 33
  New fellows, 150, 213
  Office of Education recognition, 34
American Association for the Advancement of Science
  diplomacy fellows, 5
  fellows program, 5
Annual Conference on Research in Medical Education, 206
Annual Meeting
  1980, 11, 190
  1981, 562
Annual reports
  *Antimicrobial Agents and Chemotherapy*, 245
  *Applied and Environmental Microbiology*, 199
  *ASM News*, 247
  *Infection and Immunity*, 200
  *Journal of Bacteriology*, 243
  *Journal of Clinical Microbiology*, 201
  *Journal of Virology*, 203
  *Microbiological Reviews*, 245
Antibiotics in animal feeds, 604
Anti-vivisection bill, 7
Application deadlines, 29, 77, 208, 308
Archives, 561, 607
ATCC
  Chinese visitors, 2
  Robert E. Stevenson, 285
  Viral and Rickettsial Registry, 58
Atkinson, Richard C., 233
Atlas, Ronald M., 495
Award nominations, 124, 293
Awards
  Bac-Data, 500
  Becton-Dickinson, 122
  Bergey, 314
  Brodie Award, 625
  Carski Foundation, 123
  Charles Thom Nominations, 585
  Fisher Scientific Company, 122
  Kimble Methodology, 581
  Eli Lilly, 123

Bacterial names, approved lists, 197
Baker, Phillip J., 405
Barker, H. A., 214
Barkley, Emmet W., 69
Bartha, Richard, 356
Berg, Paul, 606
Bio-Energy '80 World Congress and Exposition, 134
Biomedical research bills, 557
Biotechnology, 180
*Biotransformation and Fate of Chemicals in the Aquatic Environment*, 467
Bitton, Gabriel, 622
Blair, John E., 501
Board of Education and Training meeting minutes, 139, 411
Board of Governors
  nominations, 150
  meeting minutes, 147, 492
Board of Public and Scientific Affairs Minutes, 184, 532
Bodily, Howard L., 174
Boezi, John A., 502
Bondi, Amadeo, 122
Branch activities
  Arizona, 583
  New York City scholarship award, 583
  Northeast Branch, certificates of merit, 583
  South Florida Branch history, 505
Branch educational representatives, 615
Brenner, Don J., 275, 346
Brock, Thomas D., 171
Budget revisions, 233
Burrows, William, 254
Bylaws, 449
Bylaws amendments, 446

Campbell, L. Leon, 301
Canadian Society of Microbiologists
  officers, 521
Cancer chemotherapy, new directions, 102
Carski Award, 123
Case histories, 576, 618
Cassell, Gail H., 418
China
  scholarly exchange, 523
Chinese microbiologists visit ASM and ATCC, 2
Clinical Laboratory Improvement Act, 62
Clinical lab personnel standards, 286
Clinical scientists on hospital staff, ad hoc committee, 620
CME Credit, Category I
  Meeting attendance, 342
Coleman, Rebecca H., 446
Committee on Nomenclature, 346
Committee on Postdoctoral Educational Programs, AAM
  Chairman, 580
Conference on Diagnostic Immunology, 19
Conference on Genetics and Molecular Biology of Industrial Microorganisms, 296, 462
Conference on genetics of industrial microorganisms, 192
Conference on Host Defenses to Intracellular Pathogens, 192
Congressional Fellow, 337
Congressional Fellow applications, 603

Conference on Global Impacts of Applied Microbiology, 107
Congressional Science Fellow, 177
Constitution, 447
Contributions of microbiology to present-day biology, 280
Coon, Minor J., 625
Cooper, Robert C., 309
Corning scientists recognized, 39
Councilors' Colloquia, 342
Council Policy Committee Meeting minutes, 117
Cox, C. D., 291, 292
CPC and Council Meetings, minutes, 385
Culture shipments require export license, 151
*Cumitechs*, 302
*Cumitech*, 532

Day, Robert A., 301
Deatly, Ann McClure, 152
Deceased members
Carl S. Adams, 215
Thomas E. Bohannon, 40
Frances L. Clapp, 40
Hugh B. Corbitt, 625
Richard L. Costello, 83
Harry R. Cunliffe, 83
Herman G. duBuy, 150
Arthur C. Dwyer, 40
Geoffrey Edsal, 625
Leslie Eidus, 215
Phillip C. Harvey, 150
Otto M. Helff, 215
Peter Hillmer, 83
Charles A. Hunter, 150
Arthur M. Jasmin, 40
Pearl L. Kendrick, 625
Kathleen G. Kopp, 83
Daniel N. Lapedes, 83
Robert H. Luce, 625
Paul A. Majors, 40
D. Perlman, 150
David Perlman, 215
V. T. Schuhardt, 625
Benjamin S. Schwartz, 215
Frederick Sisler, 215
Benjamin J. Veltri, 40
Thomas L. Waterhouse, 150
Demain, Arnold L., 80
Dental rinses and gels prevent tooth decay, 257
Dickinson Biohazard Science Training Program, 142
Difco Award, 124
Diplomates
Academy fellows, 355
emeritus status, 355, 621
forum, 35
meeting in Miami, 211
new, 354
*Directory of Colleges and Universities Granting Degrees in Microbiology*, 142, 349
Divisional group councilors
Nominees, 434
Division officers, 394
Divisional officers, nominees, 434
DNA actions and revisions, 62
DNA notification act, 289
DNA registration bill, 116
DNA workshop, 179

ECEP-approved programs, 26
ECEP-approved workshops, 484
Editorial reappointments, 405
Election results, 9
*EleSec*, 484, 576
Emeritus fellowships, 355
Emeritus members, 315, 500
*Enterobacteriacea*
judicial action to reject name, 275
Environmental Mutagens Conference, 573
EPA
research grant funding process, 179
*Escherichia coli* K-12, 111
Ethics in genetic engineering, 604
Ewing, William H., 275

Farmer, J. J., III, 275
FDA
diethylstilbestrol implants, 286
investigations of medical devices, 233
new drug applications, 61
public participation, 61
safety and effectiveness of major viral vaccines, 285
Fee increases, 621
Fellowship of Christian Microbiologists, 19
Fifth International Congress for Virology, 19
Finstein, Melvin S., 309
Fisher Scientific Company Award, 122
Fortuna, Richard, 111
Forty-year members, 314
Friedman, Candace, 500
Frobisher, Amy W., 214
Frobisher, Martin, 214
*Fundamentals of Anaerobic Bacteriology as Related to the Clinical Laboratory*, 484

General Membership Meeting minutes, 390
Genetic activity and hazards of mycotoxins, 80
Genetic engineering, 604
Global Development Seminar, 603
Global Impacts of Applied Microbiology VI, 572
Goldschmidt, Eugene P., 503
Graduate science enrollment (1978), 207
Gröschel, Dieter, 69
Groundwater microbiology newsletter, 533

Hamill, Robert L., 404
Hausler, W. J., Jr., 289
*Health and Environmental Effects of Acid Rain*, 247
Hernandez, Lisa R., 583
Hespell, Robert, 612
HEW appropriations bill, 8
History of science in America, 575
Holt, Stanley C., 243
Honorary membership
Nominees, 435
Housewright, Riley D., 69
H. R. 4000, 116

IAMS
Committee on Food Microbiology and Hygiene Symposium, 522
ICAAC, 128, 192
ICAAC Lecture, 396
ICAAC preregistration date extended, 394

ICN-UCLA Symposia on Molecular and Cellular Biology, 463
Industrial innovation plan, 7
Industrial-quality assurance microbiology, AAM committee, 620
Industrial use of recombinant DNA, 291
Interferon nomenclature, 466
International Congress of Virology, 573
International Congress for Virology travel funds, 608
International Organization for Mycoplasmology conference, 608
International Science and Engineering Fair Winners, 348
International Spores Conference, 134
International Symposium on Rapid Methods and Automation in Microbiology, 3rd, 457, 571
Interstate and Foreign Commerce Committee, 182
Isenberg, Henry D., 541, 581

Jacoby, George A., 404
James, Ann, 177
Jannasch, Holger W., 418
Jenkins, David, 309
Johnson, John L., 314
Joklik, Wolfgang K., 280
Jones, Katherine Alvord, 39

Kaufman, Leo, 314
Keenly Microbiology Award, 256
Kershner, Lorraine M., 102
Kessel, R. W. I., 309
Kimble Methodology Award, 85

Lascelles, June, 138
Legislative Outlook for 1980, 111
Letters to the Editor
  Sam M. Ainsworth, 429
  Paul Baumann, 170
  Steven Beer, 337
  J. E. Bennett, 231
  Dan M. Cummings, 336
  Delegation of Chinese microbiologists, 169
  R. L. Devetski, 335
  R. G. Douglas, 231
  H. K. Ghosh, 428
  Thurmon S. Grafton, 1
  Dieter Gröschel, 521
  Bruce A. Hanna, 428
  Philip G. Hauck, 555
  George J. Hermann, 428
  Paul D. Hoeprich, 373
  Henry D. Isenberg, 427
  John Jagger, 101
  Stephen G. Jenkins, 521
  Charles W. Hanson, 602
  Lillian V. Holdeman, 602
  Frederick Kavanagh, 428
  Bradford A. Kay, 555
  Stanley Lemeshow, 601
  Warren Litsky, 601
  Gerald L. Mandell, 231
  J. Anthony Morris, 335
  Stephen A. Moser, 521
  Sheila Ann Murphey, 427
  Robert K. Nauman, 1
  Erwin Neter, 57
  C. H. O'Callaghan, 601
  Allen F. Palmquist, 335
  William A. Pierce, Jr., 1
  Jeanne S. Poindexter, 231
  James A. Poupard, 169
  Sidney Raffel, 57
  E. B. Roslycky, 101
  David B. Sabine, 373
  Waclaw Szybalski, 429
  Hans Van Etten, 337
  Roland Vela, 170
  Berttina B. Wentworth, 428
  Olen Yoder, 337
  R. J. Zabransky, 521
  Milton Zaitlin, 337
Lilly Award, 123
Litsky, Warren, 123
Lochhead, Allan Grant, 256

*Manual of Clinical Microbiology*, 403
*Manual of Clinical Microbiology* erratum, 613
*Manual of Laboratory Safety*, 69
Maramorosch, Karl, 543
Marth, Elmer H., 500
McCarthy, Laurence R., 580
Medical microbiology
  Curriculum survey, 468
Medicare
  payment for vaccine, 183
Meetings Board, annual report, 398
Membership Committee report, 443
Membership survey, 605
Merigan, Thomas C., Jr., 396
Microbial ecology course, 28
Microbial hazards to divers, 572
Microbial metabolism of chemicals of environmental concern, 35
Microbiology degrees
  granting institutions, 475
Microbiology in teaching dentistry, 409
Microcomputer in microbiology, 171
Miller, Brinton M., 69
Minutes
  Board of Education and Training meeting, 139, 411
  Board of Governors Meeting, 147, 492
  Board of Public and Scientific Affairs, 184, 432
  Council Policy Committee Meeting, 117, 385
  General Membership Meeting, 390
  Publications Board Meeting, 71, 405
Mitchell, Ralph, 309
*Molecular and Cellular Biology*, 401
Morrison, Sumner M., 309
"Multimedia Programs in Microbiology," 28, 309
Mycobacterial Culture Collection, 362

NAEIR distributes free items to schools, 143
National Institutes of Health
  appropriations, 234, 430
  authorizing legislation, 373
  budget, 182
  funding, 338, 340
  health research, 5
  organizational changes, 182
  research budget, 113
  training programs, 526

National Registry of Microbiologists, 35, 312, 580
certification, 312
certification recipients, 253
conditional category A membership, 254
new registrants, 416
recertification, 80
recertification sponsors, 416
National Research Service Awards, 3
National Science Board, 556
National Science Foundation
applied biological research proposals, 5
Atkinson, Richard C., 233
biological instrumentation, 186
biological programs, 291
budget, 115
Director, 556
National Student Research Forum, 572
Naval Medical Research Institute Chair of Science, 39
NCCLS microbiological standards, 41
NIAID, 179
appropriations for 1981, 114
mycology research funding, 3
vaccine and antiviral testing, 3
Nobel Prize, 606
Nosocomiosis ecology, 541

Obituaries
John E. Blair, 501
John A. Boezi, 502
Eugene P. Goldschmidt, 503
Katherin Alvord Jones, 39
Lewis B. Lockwood, 582
Paul G. Moe, 504
Vernon T. Schuhardt, 582
Officers, Nominees, 434
Oil spills, 495
Organization of ASM, 378, 561
Osborn, Mary Jane, 556
Outstanding Service Award, 314

Pan American Development Foundation, equipment donations, 585
Papasian, Christopher James, 152
Patentability of microorganisms, 4, 108, 523
Paucker, Kurt, 418
Peer review, ethical questions, 302
Perlman, David, 215
Perlman Lectureship, 314
Perniciaro, Carol Ann, 152
Personnel standards in clinical laboratories
H.R. 3990 and 4000, 431
Meeting, 430
Pesticide residues in humus, 356
Pipes, Wesley O., 309
Placement Committee, 559
report, 445
Placement fees, 561
Pollock, Gisella, 346
Porter, Keith R., 402
Porter Memorial Lectures, 581
Powell, Horace M., 314
Predoctoral Minority Fellowship, 213, 446
President's Fellowships, 528
Professional Program Director, position, 10
Program for Science Scholars, 410
Public and Scientific Affairs Board
Committee on Laboratory Practices, 525
Small Business Innovation Bill response, 431
Publications Board
chairman, 345
minutes, 405
Publications, new, 197
Public Health and Medical Laboratory Microbiology
Training programs,352
Public health microbiology in California, 174
Public Health Service prevention strategy, 114

*Readings in Program Development*, 308
Recertification
program, 213
report of the subcommittee, 32
Recombinant DNA Advisory Committee, 556
Registrants' opinions on recertification, 211
Richardson, John R., 69
Rickettsiologist meeting, 607
Rubella testing bibliography, 575

Sanitary and environmental engineering, 205, 309
Sawyer, William, 603
Schaechter, Moselio, 291
Schmidt, Leon, 403
Schwab, John H., 404
Scolnick, Edward M., 123
Second Budget Resolution, 8
Self-study programs, 618
Shaffer, Morris F., 214
Shatkin, Aaron J., 401
Silver, Simon, 302
Siminovitch, Louis, 402
Slaughter, John B., 556
Slide collection, 77, 142, 309
Sludge application to land, viral aspects, 622
Small Business Innovation bills, 341
PSAB response, 431
Smith, Rodney F., 174
Songer, Joseph R., 70
Stark, Avishay Abraham, 80
Starkey, Robert L., 256
Stevenson, Robert E., 285
St. Hilaire, Cathy, 338
Summer course, 207
Summer programs, 618
Sypherd, Paul S., 402

Technology transfer to China, 62
Thompson, Randall L., 58
Tiedje, James M., 403
Treasurer's report, 436

Ultrastructure atlas planned, 242
University of California-San Francisco fall symposia, 411
Unz, Richard F., 309
USDA
grants, 558
research budget, 115
U.S. Department of Commerce, 151
U.S. Federation for Culture Collections, 192
US/USSR enzyme and fungi conference proceedings, 232

Vesley, Donald, 70
Virology program format
changes proposed, 462

Walter, William G., 581
Washington, John A., II, 302
Water environment conference, 239
Watson, Dennis W., 418
Weinstein, Louis, 543
Weiss, Emilio, 39
Wellcome Visiting Professorships, 126, 559
Whiteley, Helen R., 345
Williams, Henry N., 337
Wolf Prize in Agriculture, 543
Women in Science and Engineering Network, 362

Young, Viola Mae, 292

ZoBell, Claude E., 625

## Book Review Index

*Advances in Microbial Ecology*, vol. 3. M. Alexander (ed.). *Reviewed by* Milton J. Allison, 262
Alexander, M., Advances in Microbial Ecology, vol. 3, 262
Alexopoulos, C. J., and C. W. Mims, *Introductory Mycology*, 545
Alper, Tikvah, *Cellular Radiobiology*, 156
Anderson, Dean A., and Rodney J. Sobieski, *Introduction to Microbiology*, 509
*Antibiotics*. F. E. Hahn (ed.). *Reviewed by* George H. Warren, 320
Arber, W., et al., Current Topics in Microbiology and Immunology, vol. 85, 159
Avers, Charlotte J., *Genetics*, 545
Ayres, J. C., *Microbiology of Foods*, 366

*Bacteriology and Immunity for Nurses*. Ronald Hare and E. Mary Cooke, 365
Barile, M. F., and S. Razin (ed.), *The Mycoplasmas. Vol. 1. Cell Biology*, 92
*Basic Exercises in Immunochemistry*. A Laboratory Manual. Alois Nowotny. *Reviewed by* Michael E. Lamm, 268
*Basic Microbiology*. Fourth Edition. Wesley A. Volk and Margaret F. Wheeler. *Reviewed by* Brian J. Wilkinson, Ralph J. Rascati, and Hou Tak Cheung, 321
Baumgarten, A., and F. F. Richards (ed.), *CRC Handbook Series in Clinical Laboratory Science. Section F: Immunology*, 511, 512
Bellanti, Joseph A., *Immunology: Basic Processes*, 89
Bennet, J. V., and P. S. Brachman, *Hospital Infections*, 87
Bergan, T., and J. R. Norris (ed.), *Methods in Microbiology*, vol. 10, 43
Beuchat, Larry R., *Food and Beverage Mycology*, 268
Beutner, Ernst H. *Immunopathology of the Skin*, 424
*Biochemistry and Physiology of Protozoa*. 2nd ed., vol. 1. M. Levandowsky and S. H. Hutner (ed.). *Reviewed by* George A. Wistreich, 222
*Biochemistry and Physiology of Protozoa*. Vol. 3. M. Levandowsky and S. H. Hutner. *Reviewed by* George A. Wistreich, 589
*Biology of the Fungi*. Their Development, Regulation, and Association. Ian K. Ross. *Reviewed by* Kenneth B. Raper, 157
*Biology of Seaweeds: Levels of Organization*, A. R. O. Chapman. *Reviewed by* Joan G. Stewart, 46
Bittar, E. E., *Membrane Structure and Function*, 365
Bradshaw, L. Jack, *Laboratory Microbiology*, 423
Buckle, E. A., et al., *Food-Borne Microorganisms of Public Health Significance*. Specialist Course for the Food Industry. Volumes 1 and 2, 324
Bull, A. T., et al. (ed.), *Companion to Biochemistry*, vol. 2, 634
Bull, M. F. (ed.), *Progress in Industrial Microbiology*, 93
Bulmer, Glenn S., *Introduction to Medical Mycology*, 264
*Burrows Textbook of Microbiology*, 21st Edition. Bob A. Freeman. *Reviewed by* Ralph N. Costilow, 47

Calcott, P. H., *Patterns of Progress: Freezing and Thawing Microbes*, 43
*Cancer Markers: Diagnostic and Developmental Significance*. Stewart Sell (ed.). *Reviewed by* William H. Sherman, 510
Capaldi, Roderick A. (ed.), *Membrane Proteins Series, Vol. 2. Membrane Proteins in Energy Transduction*, 91
Carter, G. R., *Diagnostic Procedures in Veterinary Bacteriology and Mycology*, 265
*Cellular, Molecular, and Clinical Aspects of Allergic Disorders*. S. Gupta and R. A. Good (ed.). *Reviewed by* Dean D. Metcalfe, 218
*Cellular Radiobiology*. Tikvah Alper. *Reviewed by* John Jagger, 156
Chapman, A. R. O., *Biology of Seaweeds: Levels of Organization*, 46
Chappell, Leslie H., *Physiology of Parasites*, 514
Chassain, Maurice, *Myxomycetes*, 320
*Chemical Carcinogens and DNA*, vol. I and II. Philip L. Grover (ed.). *Reviewed by* Karl A. Traul, 155
*Clinical Immunotherapy*. Albert F. LoBuglio (ed.). *Reviewed by* Keith E. Jensen, 637
*Clinical Microbiology*. Hugh L. Moffet. *Reviewed by* Richard C. Tilton, 545
Cole, Garry T., and Robert A. Samson, *Patterns of Development in Conidial Fungi*, 588
*Color Atlas of Pathogenic Fungi*. D. Frey, R. J. Oldfield, and R. C. Bridger. *Reviewed by* H. Preston Holley, Jr., 266
*Companion to Biochemistry*. Volume 2. A. T. Bull et al. (ed.). *Reviewed by* W. W. Wells, 634
*Compendium of Immunology*. Second Edition. Volume 1. Lazar M. Schwartz. *Reviewed by* Steven D. Douglas, 327
*Comprehensive Virology*. Volume 13. Structure and Assembly. Primary, Secondary, Tertiary, and Quaternary Structures. Heinz Fraenkel-Conrat and Robert R. Wagner (ed.). *Reviewed by* Douglas W. Smith, 261
*Comprehensive Virology*. Volume 14. H. Fraenkel-Conrat and Robert R. Wagner (ed.). *Reviewed by* Milton J. Schlesinger, 322

*Comprehensive Virology*. Volume 15. H. Fraenkel-Conrat and Robert R. Wagner (ed.). *Reviewed by* Calderon Howe, 323
*CRC Handbook Series in Clinical Laboratory Science. Section F: Immunology*. A. Baumgarten and F. F. Richards (ed.). *Reviewed by* Erwin Neter, 512
*CRC Handbook Series in Clinical Laboratory Science. Section F: Immunology*. A. Baumgarten and F. F. Richards (ed.). *Reviewed by* Reuben P. Siraganian, 513
*Current Topics in Microbiology and Immunology*, vol. 85. W. Arber et al. (ed.). *Reviewed by* Robert W. Jackson, 159

Davis, Julian, and Barbara S. Littlewood, *Elementary Biochemistry*, 44
*Deveiopmental Biology of Prokaryotes*. J. H. Parish (ed.). *Reviewed by* Harold L. Sadoff, 635
*Diagnostic Parasitology*. Clinical Laboratory Manual. 2nd ed. Lynne Shore Garcia and Lawrence R. Ash. *Reviewed by* Robert Samuels, 220
*Diagnostic Procedures in Veterinary Bacteriology and Mycology*. 3rd ed. G. R. Carter (ed.). *Reviewed by* Allan C. Pier, 265
Diener, T. O., *Viroids and Viroid Diseases*, 154
*DNA Replication*. Arthur Kornberg. *Reviewed by* David T. Dehhart, 586
Doggett, R. G., *Pseudomonas aeruginosa: Clinical Manifestations of Infection and Current Therapy*, 159
*Double Image of the Double Helix, A. The Recombinant DNA Debate*. Clifford Grobstein. *Reviewed by* Morris Pollard, 90
Dox, Ida, B. J. Melloni, and G. M. Eisner. *Melloni's Illustrated Medical Dictionary*, 423
Dubos, Rene, *The Wooing of the Earth*, 548

*Economic Microbiology*. Volume 3. A. H. Rose (ed.). *Reviewed by* Edward O. Stapley, 634
*Elementary Biochemistry*. Julian Davis and Barbara S. Littlewood. *Reviewed by* George D. Hegeman, 44
*Encyclopedia of Plant Physiology*. New Series, vol. 6. Photosynthesis II: Photosynthetic Carbon Metabolism and Related Processes. M. Gibbs and E. Latzko (ed.). *Reviewed by* Gary A. Sojka, 155
*Epstein-Barr Virus, The*. M. A. Epstein and B. G. Achong (ed.). *Reviewed by* Martin S. Hirsch, 47
Epstein, M. A., and B. G. Achong (ed.), *The Epstein-Barr Virus*, 47

*Food and Beverage Mycology*. Larry R. Beuchat. *Reviewed by* Homer W. Walker, 268
*Food-Borne Infections and Intoxications*. 2nd ed. Hans Riemann and Frank L. Bryan (ed.). *Reviewed by* William Sperber, 220
*Food-Borne Microorganisms of Public Health Significance*. Specialist Course for the Food Industry, Volumes I and II. Third Edition. E. A. Buckle et al. (ed.). *Reviewed by* Lloyd B. Bullerman, 325
Fraenkel-Conrat, H., and Robert R. Wagner (ed.), *Comprehensive Virology*. Volume 13, 261
Fraenkel-Conrat, H., and Robert R. Wagner (ed.), *Comprehensive Virology*. Volume 14, 322
Fraenkel-Conrat, H., and Robert R. Wagner (ed.), *Comprehensive Virology*. Volume 15, 323
Freeman, Bob A., *Burrows Textbook of Microbiology*, 21st Edition, 47
Frey, D., R. J. Oldfield, and R. C. Bridger, *Color Atlas of Pathogenic Fungi*, 266

Gadebusch, Hans H., *Phagocytes and Cellular Immunity*, 263
Garcia, Lynne Shore, and Lawrence R. Ash, *Diagnostic Parasitology*. Clinical Laboratory Manual, 2nd ed., 220
Gaudy, Anthony F., Jr., and Elizabeth T. Gaudy, *Microbiology for Scientists and Engineers*, 631
Gautz, Nelson Murray, and Richard Alan Gleckman, *Manual of Clinical Problems in Infectious Diseases with Annotated Key References*, 327
*Genetic Engineering. Principles and Methods*. Jane K. Setlow and Alexander Hollaender. *Reviewed by* Geoffrey R. Anderson, 589
*Genetic Recombination*. Thinking About It in Phage and Fungi. Franklin W. Stahl. *Reviewed by* Vernon C. Bode, 89
*Genetics*. Charlotte J. Avers. *Reviewed by* Rosann A. Farber, 546
Gibbs, M., and E. Latzko, *Encyclopedia of Plant Physiology*, 155
Gröschel, Dieter (ed.), *Handbook on Hospital-Associated Infections*, vol. 3, Hospital-Associated Infections in the General Hospital Population and Specific Measures of Control, 86
Grover, Philip L., *Chemical Carcinogens and DNA*, vol. I and II, 155
Gupta, S., and R. A. Good, *Cellular, Molecular, and Clinical Aspects of Allergic Disorders*, 218

Hahn, F. E. (ed.), *Antibiotics*, 320
*Handbook on Hospital-Associated Infections*, vol. 3. Hospital-Associated Infections in the General Hospital Population and Specific Measures of Control. Dieter Gröschel (ed.). *Reviewed by* Richard P. Wenzel, 86
Hare, Ronald, and E. Mary Cooke, *Bacteriology and Immunity for Nurses*, 365
Hawker, Lillian, and Alan H. Linton (ed.), *Microorganisms: Function, Form and Environment*, 45
Herberman, Ronald B., and K. Robert McIntire, *Immunodiagnosis of Cancer, Part 2*, 222
*Hospital Infections*. J. V. Bennett and P. S. Brachman (ed.). *Reviewed by* John M. Boyce, 87

*Identification Methods for Microbiologists*. F. A. Skinner and D. W. Lovelock. *Reviewed by* James T. Staley, 547
*Immunodiagnosis of Cancer, Part 2*. Ronald B. Herberman and K. Robert McIntire. *Reviewed by* Donna Marie Murasko, 222
*Immunological Tolerance and Enhancement*. F. P. Stuart and F. W. Fitch. *Reviewed by* M. Michael Sigel, 88
*Immunology at a Glance*. J. H. L. Playfair. *Reviewed by* Paul H. Saluk, 514
*Immunology: Basic Processes*. Joseph A. Bellanti. *Reviewed by* Robert H. Swanborg, 89
*Immunology, Immunopathology, and Immunity*. Stewart Sell (ed.). *Reviewed by* Paul H. Saluk, 513
*Immunopathology of the Skin*. E. H. Beutner et al. (ed.). *Reviewed by* James J. Leyden, 424
*Interferon and Interferon Inducers: Clinical Application*. Dale M. Stringfellow (ed.). *Reviewed by* Gerald Sonnenfeld, 587

*Introduction to Medical Mycology*. Glenn S. Bulmer. *Reviewed by* Milton Huppert, 264
*Introduction to Microbiology*. Dean A. Anderson and Rodney J. Sobieski. *Reviewed by* David B. Sabine, 509
*Introductory Mycology*. C. J. Alexopoulos and C. W. Mims. *Reviewed by* H. Preston Holley, Jr., 545
Izumiya, N., et al., *Synthetic Aspects of Biologically Active Cyclic Peptides—Gramicidin S and Tyrocidines*, 218

Kennett, Roger A., Thomas J. McKearn, and Kathleen B. Bechtol, *Monoclonal Antibodies*, 632
Klein, George, *Viral Oncology*, 511
Kohlmeyer, Jan, and Erika Kohlmeyer, *Marine Mycology. The Higher Fungi*, 158
Kornberg, Arthur, *DNA Replication*, 586

*Laboratory Manual and Workbook in Microbiology Applications to Patient Care*, Second Edition. Marion E. Wilson et al. *Reviewed by* Pauline G. Turek, 44
*Laboratory Microbiology*. L. Jack Bradshaw. *Reviewed by* Lucia Anderson, 423
Lefkovits, Ivan, and Herman Waldmann, *Limiting Dilution Analysis of Cells in the Immune System*, 326
Lemke, Paul A., *Viruses and Plasmids in Fungi*, 267
Levandowsky, M., and S. H. Hutner (ed.), *Biochemistry and Physiology of Protozoa*, 2nd ed., vol. 1, 222
Levandowsky, M., and S. H. Hunter (ed.), *Biochemistry and Physiology of Protozoa*, volume 3, 589
Levanthal, Ruth, and Russell F. Cheadle, *Medical Parasitology*. A Self-Instructional Text, 219
*Limiting Dilution Analysis of Cells in the Immune System*. Ivan Lefkovits and Herman Waldmann. *Reviewed by* Linda L. Bauim, 326
LoBuglio, Albert F. (ed.), *Clinical Immunotherapy*, 637
Lwoff, André, and Agnes Ullman (ed.), *Origins of Molecular Biology: A Tribute to Jacques Monod*, 261
Lynch, J. M. and N. J. Poole, *Microbial Ecology: a Conceptual Approach*, 46

Mandell, G. L., R. G. Douglas, Jr., and J. E. Bennett (ed.). *Principles and Practice of Infectious Disease*, 422
*Manual of Clinical Problems in Infectious Diseases with Annotated Key References*. Nelson Murray Gantz and Richard Alan Gleckman. *Reviewed by* A. Balows, 327
*Marine Mycology. The Higher Fungi*. Jan and Erika Kohlmeyer. *Reviewed by* Helen S. Vishniac, 158
*Medical Parasitology*. A Self-Instructional Text. Ruth Leventhal and Russell F. Cheadle. *Reviewed by* M. M. Brooke, 219
*Melloni's Illustrated Medical Dictionary*. Ida Dox, B. J. Melloni, and G. M. Eisner. *Reviewed by* E. Medzon, 423
*Membrane Proteins Series. Vol. 2. Membrane Proteins in Energy Transduction*. Roderick A. Capaldi (ed.). *Reviewed by* David E. Green, 91
*Membrane Structure and Function*. E. E. Bittar, 365
*Methods in Microbiology*, vol. 10. T. Bergan and J. R. Norris (ed.). *Reviewed by* Alex C. Sonnenwirth, 43
*Microbial Ecology: a Conceptual Approach*. J. M. Lynch and N. J. Poole (ed.). *Reviewed by* Holger W. Jannasch, 46
*Microbial Ecology of Foods*. *Reviewed by* R. Paul Elliot, 509
*Microbiology for Environmental Scientists and Engineers*. Anthony F. Grady, Jr. and Elizabeth T. Gaudy. *Reviewed by* Peter F. Strom, 631
*Microbiology in Patient Care*, Third Edition. Marion E. Wilson et al. *Reviewed by* Eileen L. Randall, 44
*Microbiology of Food Fermentations*. Carl S. Pederson. *Reviewed by* Richard E. Goldstrand, 510
*Microbiology of Foods*. J. C. Ayres, 366
*Microorganisms: Function, Form and Environment*, Second Edition. Lillian Hawker and Alan H. Linton (ed.). *Reviewed by* Martin Dworkin, 45
Mishell, Barbara M., and Stanley M. Shiigi, *Selected Methods in Cellular Immunology*, 325
Moffet, Hugh L., *Clinical Microbiology*, 545
*Molecular Biology of RNA Tumor Viruses*. J. R. Stephenson (ed.). *Reviewed by* Paul E. Neiman, 636
*Monoclonal Antibodies*. Roger A. Kennett, Thomas J. McKearn, and Kathleen B. Bechtol (ed.). *Reviewed by* Howard W. Larsh, 632
Morowitz, Harold J., *The Wine of Life and Other Essays on Societies, Energy & Living Things*, 93
*Mycoplasmas, The. Vol. 1. Cell Biology*. M. F. Barile and S. Razine (ed.), *Reviewed by* Ronald N. McElhaney, 92
*Mycoplasmas, The*. Volume III. R. F. Whitcomb and J. G. Tully (ed.). *Reviewed by* Karl Maramorosch, 49
*Myxomycetes*. Maurice Chassain. *Reviewed by* H. Lechevalier, 320

*Naturally Occurring Biological Immunosuppressive Factors and Their Relationship to Disease*. Russell H. Nebauer (ed.). *Reviewed by* Anthony R. Hayward, 264
Neubauer, Russell H., *Naturally Occurring Biological Immunosuppressive Factors and Their Relationship to Disease*, 264
Nowotny, Alois, Basic Exercise in Immunochemistry, 268

*Origins of Molecular Biology: A Tribute to Jacques Monod*. André Lwoff and Agnes Ullmann (ed.). *Reviewed by* Raymond N. Doetsch, 261

Palleroni, N. J., *Patterns of Progress. The Pseudomonas Group*, 43
Parish, J. H. (ed.), *Developmental Biology of Prokaryotes*, 635
*Patterns of Development in Conidial Fungi*. Garry T. Cole and Robert A. Samson. *Reviewed by* Kenneth B. Raper, 588
*Patterns of Progress: Freezing and Thawing Microbes*. P. H. Calcott. *Reviewed by* Robert L. Gherna, 43
*Patterns of Progress: The Pseudomonas Group*. N. J. Palleroni. *Reviewed by* Merle A. Sande, 43
Pederson, Carl S., *Microbiology of Food Fermentations*, 510

*Phagocytes and Cellular Immunity*. Hans H. Gadebusch (ed.). *Reviewed by* Peter F. Bonventre, 263
*Physiology of Parasites*. Leslie H. Chappell. *Reviewed by* M. D. Little, 514
Playfair, J. H. L., *Immunology at a Glance*, 513
Postgate, John R., *The Sulphate-Reducing Bacteria*, 218
*Principles and Practices of Infectious Diseases*. G. L. Mandell, R. G. Douglas, Jr., and J. E. Bennett (ed.). *Reviewed by* A. Balows, 422
*Progress in Industrial Microbiology*. Vol. 15. M. F. Bull (ed.). *Reviewed by* Robert L. Huddleston, 93
*Pseudomonas aeruginosa: Clinical Manifestations of Infection and Current Therapy*. R. G. Doggett. *Reviewed by* Michael J. Bjorn and R. John Collier, 159

Riemann, Hans, and Frank L. Bryan (ed.), *Food-Borne Infections and Intoxications*, 220
Rose, A. H. (ed.), *Economic Microbiology*, 634
Ross, Ian K., *Biology of the Fungi*, 157

Schwartz, Lazar M., *Compendium of Immunology*. Second edition. Volume 1, 327
*Selected Methods in Cellular Immunology*. Barbara M. Mishell and Stanley M. Shiigi (ed.). *Reviewed by* Linda D. Caren, 326
Sell, Stewart (ed.), *Cancer Markers: Diagnostic and Developmental Significance*, 510
Sell, Stewart (ed.), *Immunology, Immunopathology, and Immunity*, 513
Skinner, F. A., and D. W. Lovelock, *Identification Methods for Microbiologists*, 546
Setlow, Jane K., and Alexaender Hollaender (ed.), *Genetic Engineering. Principles and Methods*, 589
Stahl, Franklin W., *Genetic Recombination*. Thinking About It in Phage and Fungi, 89
Stephenson, J. R. (ed.), *Molecular Biology of RNA Tumor Viruses*, 636
Stringfellow, David M., (ed.), *Interferon and Interferon Inducers: Clinical Application*, 587
Stuart, F. P., and F. W. Fitch, *Immunological Tolerance and Enhancement*, 88
*Studies in Biology, No. 4*. An Introduction to Parasitology. 2nd ed. R. Alan Wilson. *Reviewed by* Robert Samuels, 220
*Sulphate-Reducing Bacteria, The*. John R. Postgate. *Reviewed by* Warren D. Iverson, 218
Sutter, Vera L., Diane M. Citron, and Sydney M. Finegold, *Wadsworth Anaerobic Bacteriology Manual*, 637
*Synthetic Aspects of Biologically Active Cyclic Peptides—Gramicidin S and Tyrocidines*. N. Izumiya et al. *Reviewed by* Anthony B. Mauger, 218

*Topics in Enzyme and Fermentation Biotechnology*. Alan Wiseman (ed.). *Reviewed by* George T. Tsao, 587

*Viral Oncology*. George Klein (ed.). *Reviewed by* Fred Rapp, 511
*Viroids and Viroid Diseases*. T. O. Diener. *Reviewed by* Saul Kit, 154
*Viruses and Plasmids in Fungi*. Paul A. Lemke (ed.). *Reviewed by* Reed B. Wickner, 267
Volk, Wesley, and Margaret F. Wheeler, *Basic Microbiology*. Fourth Edition, 321

*Wadsworth Anaerobic Bacteriology Manual*. Vera L. Sutter, Diane M. Citron, and Sydney M. Finegold. *Reviewed by* Charles H. Zierdt, 637
Whitcomb, R. F., and J. G. Tully (ed.), *The Mycoplasmas*, 49
Wilson, Marion E., et al., *Laboratory Manual and Workbook in Microbiology Applications to Patient Care*, Second Edition, 44
Wilson Marion E., et al., *Microbiology in Patient Care*, Third Edition, 44
Wilson, R. Alan, *Studies in Biology*. No. 4. An Introduction to Parasitology, 220
*Wine of Life and Other Essays on Societies, The, Energy & Living Things*. Harold J. Morowitz. *Reviewed by* Gisella Pollock, 93
Wiseman, Alan, (ed.), *Topics in Enzyme and Fermentation Biotechnology*, 587
*Wooing of the Earth*. Rene Dubos. *Reviewed by* Martin Alexander, 548